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S	Analysis and Assessment Division, 4/78–7/87	SADT	self-accelerating decomposition temperature (hazardous material)
S	secondary body waves	SAE	Society of Automotive Engineers
S	secret	SAED	selected area electron diffraction
S	sick leave (attendance code)	SAEOS	simplified analytic equation of state
S	S-Site (TA-16)	SAEWG	standing air emissions working group
S	statistical application	SAF	secure automated fabrication
S.	<i>Seite</i> ; page (German)	SAF/AQS	Secretary of the Air Force, Director of Space & SDI Programs
SA	(departmental administration fund code)	SAF/AQT	SAF/Director of Science & Technology
SA	safety analysis/assessment	SAF/AQV	SAF/Director of Testing & Evaluation
SA	salary adjustment	SAFE	safety assessment/facility evaluation
SA	Sandia apparatus (nomenclature)	SAFKEG	(safekeg; radioactive materials packaging)
SA	self-assessment	SAGA	Studies & Analysis Group (JCS)
SA	service area (for LAICS communications)	SAGE	Soviet-American Gallium Experiment
SA	smoothing algorithm	SAGE	space-alternating generalized EM (biophy)
SA	special assistant	SAHDH	signature authority hazmat driver-highway
SA	standby air	SAI	solution assay instrument
SA	Sunshine Act	SAIC	Scientific Applications International Corp.
S.A.	<i>Sociedad Anónima</i> ; corporation (Spanish)	SAIC	special agent-in-charge
S.A.	<i>Société anonyme</i> (French)	SAID	scattering analysis interactive dialin
S&A	safing and arming	SAL	Safeguards Analytical Laboratory
S&A	sampling/surveillance and analysis	SAL	screening action level
SA-0	townsite/White Rock LAICS service area	SALP	systematic assessment of licensee performance
SA-1	S-site region LAICS service area	SALT I/II	Strategic Arms Limitation Talks/Treaty
SA-2	TA-50/Pajarito LAICS service area	SAM	scanning acoustic microscope
SA-3	LDCC/TA-3 region LAICS service area	SAM	self-assembled monolayers
SA-4	TA-53 region LAICS service area	SAM	site availability mode
SAA	satellite accumulation area	SAM	small aperture module (laser)
SAAC	Scientific and Academic Advisory Committee (UC Regents)	SAM	standard analysis method
SAAM	selective alpha air monitor	SAM	surface-to-air missile
SAAMA	San Antonio Air Material Area	SAMA	Scientific Apparatus Makers Association
SAB	scientific (science) advisory board	SAME	Society of American Military Engineers
SAB	secretarial advisory board	SAMGR	signature authority manager (SAS)
SABM	set asynchronous balanced mode	SAMOPA	single-accelerator master oscillator power amplifier
SAC	safety advisory committee	SAMSON	simulation & modeling supporting operational needs
SAC	science advisory committee	SAN	safeguards accountability network
SAC	Senate Appropriations Committee	SAN	Sandia Canyon Site (TA-20)
SAC	Strategic Air Command (FEMA)	SAN	San Francisco Operations Office
SAC	suggestion award committee	SANDAC	Sandia Airborne Computer
SAC	suspended & canceled pesticides (FIFRA)	SANDS	surveillance accident nuclear detection system
SACA	Support Agency Cooperative Agreement	SANE	Standard Apple Numeric Environment
SACNET	secure automated communications network	SANE	sulfur and nitrogen emissions
SACPG	Senior Arms Control Policy Group	SANS	small-angle neutron scattering
SACT	Seabed Arms Control Treaty	SAO	San Francisco Area Office
SAD	safety analysis/assurance diagram	SAP	sampling/analysis plan
SAD	safety assessment document	SAP	scientific advisory panel
SAD	small-angle diffraction	SAP	special access program
SADAA	Science Assistant to the Deputy Administrator (EPA)	SAPC	Space Activities Promotion Council (Japan)
SADARM	sense-and-destroy armor (submunitions)	SAPI	service access point identifier
SADM	special atomic demolition munition	SAPR	stockpile approved product record
SADREC	Safety Analysis Documents Review Committee		

SAR	safety analysis/appraisal report(s)	SBS	simulated Brillouin scattering
SAR	search and rescue	SBS	(subsystem to improve laser beam quality)
SAR	special access required	SBSA	small business set-aside
SAR	start action request	SBSS	science-based stockpile stewardship
SAR	structure-activity relationship	SBTP	surface-based test plan
SAR	synthetic aperture radar	SBU	strategic business unit
SARA	Service Academy Research Associate Program		
SARA	Superfund Amendments Reauthorization Act (1986)	SC – SD	
SARE	simulating accelerator radiation environment	SC	safety computer
SARF	supercompactor & recovery facility	SC	secondary confinement/containment
SARIS	Savannah River simulator	SC	simulated core
SARM	safety analysis and risk management	SC	site closeout
SAROAD	storage and retrieval of aerometric data	SC	space-charge
SARP	safety analysis report for packaging	SC	special case
SART	site assessment & remediation technology	SC	speed controller
SAS	semi-annual soils	SC	storage compatibility
SAS	signature authority system (replaces PACS)	SC	surveillance compliance
SAS	small-angle (ion) source	S/C	safety computer (ABS)
SAS	Society for Applied Spectroscopy	SCA	single-channel analyzer
SAS	special analytical services	SCA	site characterization analysis (NRC)
SAS	statistical analysis system	SCA	sneak circuit analysis
SASC	Senate Armed Services Committee	SCA	specific collection area
SASD	structured analysis, structured design	SCA	state cooperative agreement
SASS	safety assurance system summary	SCA	subcontract administrator/buyer
SASS	source analysis sampling system	SCADA	Supervisory Control and Data Acquisition
SAT	semi-automatic trim	SCAM	scanning and alarm monitoring
SAT	sulfuric acid tetrahydrate	SCAM	simple cordless alpha monitor
SAT	systematic approach to training	SCAM	surveillance control alarm maintenance
SATAN	system administration tool for analyzing networks	SCAP	Superfund Compliance Accomplishments Plan
SAV	semi-annual vegetation	SCAP	Superfund comprehensive/consolidated accomplishments plan (CERCLA)
SA/V	ratio of surface area to solution volume	SCAPS	site characterization & analysis penetrometer system
SAVE	status assistance & verification element	SCARA	selective compliance assembly robot arm (Adept Technology, Inc.)
SAW	surface acoustic wave	SCAS	semicontinuous activated sludge (test)
SAWAFE	satellite attack warning and assessment flight experiment	SCB	semiconductor bridgewire
SAWRS	supplementary aviation weather reporting system	SCBA	self-contained breathing apparatus
Saxton	(power reactor; Saxton, Pennsylvania)	SCC	satellite communications controller
SB	sick—family bereavement (attendance code)	SCC	side-chain cleavage
SB	small business (vendor liaison office term)	SCC	source classification code
SBA	Small Business Administration	SCC	Standing Consultative Commission
SBB	super broad band	SCCO ₂	stress-corrosion cracking
SBCL	space-based chemical laser	SCD	supercritical carbon dioxide (extraction)
SBE	small business enterprise	SCD	scientific computations department (SRL)
SBFEL	space-based free-electron laser	Sc. D.	single-crystal diffractometer (LAMPF)
SBGT	standby gas treatment	SCE	<i>scientiae doctor</i> ; doctor of science
SBI	space-based (rocket) interceptor	SCEM	saturated/standard calomel electrode
SBIR	small business innovation research	SCEPS	scanning electron microscope
SBKKV	space-based kinetic kill vehicles		self-contained chemical energy propulsion system
SBLOCA	small-break loss-of-coolant accident	SCF	Sample Coordination Facility
SBO	station blackout	SCF	standard cubic foot (also scf)
SBR	space-based radar	SCF	system control factor
		scfm	standard cubic feet per minute
		SCG	security classification guide
		SCI	San Clemente Island

SCI	sensitive compartmented information	SD	supply duct
SCI	stratospheric circulation model	SDA	scalable disk array
SCIF	Sensitive Compartmented Information Facility	SDAC	Space Data Analysis Center (Japan)
SCILS	Sensitive Countries Information Logging System	SDB	small, disadvantaged business
SCL	side-coupled linac	SDBE	small disadvantaged business enterprise
SCMH	standard cubic meters per hour (also scmh)	SDC	segmented drum counter
SCMT	secondary crisis management team	SDC	shutdown cooling
SCO	safety condition for operation	SDC	Solenoidal Detector Collaboration
SCO	Santa Cruz Operation, Inc.	SDC	Space Defense Command
SCO	State cleanup order	SDC	Strategic Defense Command, U.S. Army
SCOPE	safety-controls optimization by performance evaluation	SDD	structural design criteria
S/COS	Space-based Global Change Observing System	SDD	system description document
SCOT	satellite communications onboard terminal	SDD	system design description
SCP	site characterization plan	SDDR	supplier deviation disposition request
SCR	selective catalytic reduction	SDE	State Department of Education (New Mexico)
SCR	selenium control rectifier	SDHX	shutdown heat exchanger
SCR	silicon-controlled rectifier	SDI	Strategic Defense Initiative
SCR	site characterization report	SDID	software design implementation document
SCR	sodium-controlled reactor	SDIF	standard document interchange format
SCRA	Superspeed Computer Research Association (Japan)	SDIO	SDI Organization
SCRAM	safety control rod ax man	SDK	software developer kit
SCRF	superconducting radio frequency	SDLC	software development life cycle
SCRUNCHER	(superconducting rf cavity/energy compressor; low-energy pion channel)	SDLC	synchronous data link control (telecom.)
SCS	safety computer system	SDNS	secure data network system (telecom.)
SCS	secondary coolant system	SDOF	single-degree-of-freedom
SCS	shutdown cooling system	SDP	site development plan
SCS	Soil Conservation Service	SDP	sodium dihydrogen phosphate
SCSA	Soil Conservation Society of America	SDP-AS	site development plan annual summary
SCSI	small computer system interface	SDPS	silent discharge plasma system
SCSP	storm & consolidated sewer program	SDP-TSI	site development plan technical site information
SCSU	Southern Carolina State University	SDR	subsystem design requirement/review
SCTF	Slab Core Test Facility (Japan)	SDR	system design review
SCTI	sodium components test installation	SDRCSF	slurry distributor removal containment seal fixture
SCUD	(medium-range liquid-propelled ballistic missile)	SDRD	subsystem design review document
SCUS	custodial branch (JCI)	SDRS	splash detection radar system
SCW	service clarified water	SDS	shutdown sequencer
SCWO	supercritical water oxidation (also SWO)	SDS	strategic defense system
SCX	single charge exchange	SDSC	San Diego Supercomputer Center
SCYLLAC	(TA-3; used for fusion research)	SDT	shock-to-detonation transition
SD	sample duplicate	SDW	Stealth Designers Workbench
SD	schedule deviation	SDWA	Safe Drinking Water Act (1974, '77, '86)
SD	shakedown	SDWT	self-directed work team
SD	Shops Department, 9/49–3/81		
SD	shutdown		
SD	software documentation		
SD	Space Division (Air Force, Los Angeles)		
SD	standard deviation (standard design)		
SD	super compact disk (Toshiba/Time Warner)		
		SE – SH	
		SE	safety evaluation
		SE	(Secretarial/Contract Services System)
		SE	solvent extraction
		SE	subcritical experiment
		S&E	salaries and expenses
		S&E	scope and estimate
		S&Es	scientists and engineers
		SEA	(Naval Sea Systems Command identifier)
		SEA	state enforcement agreement
		SEA	state/EPA agreement
		SEAB	Secretary of Energy Advisory Board

SEAC	Safety and Environmental Advisory Council	SENAC	senior executive nuclear accident course
SEAC	Scientific & Engineering Advisory Committee	SENRAD	(serial number recognition accountability system)
SEAG	Science Education Advisory Group	SEO	science and education outreach
SEAgel	safe emulsion agar gel (LLNL)	SEO	source election official
SEAL	sea, air, and land (U.S. Navy forces)	SEO	State Engineer's Office
SEAM	surface, environment and mining	S.E.O.	<i>sauf erreur ou omission</i> ; error or omission excepted (French)
SEAOC	Structural Engineers Association of California	SEOD	site engineering operations division
SEAR	safety evaluation audit report	SEP	somebody else's problem
SEAS	strategic environmental assessment system	SEP	supplemental environmental project
SEB	source evaluation board	SEP	site emergency plan
SEC	Science Education Center	SEP	site evaluation panel
SEC	secondary containment	SEP	spherical error probability
SEC	Security Office, 9/79–1/80	SEP	systematic evaluation program
SECA	State Employees Commuter Association	SEPA	Southeastern Power Administration
SECAM	<i>séquentiel à mémoire</i> ; sequential color and memory (French TV format)	SEPWC	Senate Environment and Public Works Committee
SECOM	secure communications (system)	SER	safety evaluation report
SECY	secretary	SERA	Superfund Emergency Response Actions
SED	Special Engineers Detachment (Manhattan Project)	SERC	State emergency response commission
SED	stream editor (UNIX utility)	SERDP	Strategic Environmental R&D Program
SEDI	studies of the Earth's deep interior	SERF	Solar Energy Research Facility (at Solar Energy Research Institute (Golden, CO))
SEDP	silent electric discharge plasma	SERI	Solar Energy Research Institute (Golden, CO; now NREL)
SEED	Summer Educational Experience for the Disadvantaged	SERP	Strategic Environmental Restoration Program
SEG	Science Engineering Group	SERS	science and engineering research semester
SEG	Society of Exploration Geologists	SERT	security emergency response team
SEGS	Solar Electric Generating System (9 power plants in Southern California)	SERT	space electrochemical research and technology
SEI	Software Engineering Institute (Carnegie-Mellon University)	SES	secondary emissions standard
SEI	Space Exploration Initiative	SES	senior executive service
SEIA	socioeconomic impact analysis	SES	socioeconomic status
SEIC	system engineer/integrator contractor	SES	Standards Engineers Society
SEIC	systems engineering and integration contract	SESAME	(equation-of-state library)
SEID	system engineering and integration division	SESC	Site Evaluation Steering Committee
SEIG	Systems Engineering Integration Group	SESC	SGN Eurisys Services Corp.
SEIS	State Environmental Impact Statement	SET	Senior Executive Team
SEL	special equipment list	SET	Standard d'Exchange et de Transfer
Selni	(commercial power reactor, Italy)	SETS	set equation transformation system
SEM	scanning electron microscope	SETS	site enforcement tracking system
SEM	secondary emission monitor	SETS	stability-enhancing two-step (technique)
SEM	singularity-expansion method	SEU	single-event upset
SEM	specification exception material	SEU	slightly enriched uranium
SEM	standard electronic module	SEW	(Air Force Safety Agency)
SEM	standard error of the means	SEWG	site evaluation working group
SEMATECH	Semiconductor Manufacturing Technology (consortium)	SF	safety factor
SEM/EDAX	scanning electron microscopy and energy dispersive spectroscopy	SF	scale factor
SEMP	system engineering management plan	SF	sick—family (attendance code)
SEN	Secretary of Energy (notice)	SF	slope factor
Sena	(commercial power reactor in France)	SF	source factor
		SF	spent fuel
		SF	square foot (also sq ft)
		SF	standard form
		SF	Superfund (CERCLA)

SFA	salary, fringe, and associates	SHPO	state historical preservation office/officer
SFA	segmented flow analysis	SHRP	Scientific Human Resources Board
SFA	single failure analysis	SHSC	site health and safety coordinator
SFA	spectral flame analyzer	SHT	seal head tank
SFA	standard fuel assembly	SHTS	secondary heat transport system
SFAS	safety features actuation system	SHTSSG	secondary heat transport system steam generator
SFC	shop floor control	SHWL	seasonal high water level
SFC	space flight center		
SFC	supercritical fluid chromatography		
SFE	supercritical fluid elution	SI–SL	
SFIAP	surplus facility inventory and assessment program (replaced SFMP)	SI	safety/site inspection
SFIR	significant finding impact report	SI	security inspector
SFM	scanning force microscopy	SI	simple interface (Cray-to-UNIX tools)
SFMP	surplus facilities management program	SI	site investigation
SFR	salary factor report (BUCS)	SI	spark ignition
SFR	significant finding report	SI	SPARC International
SFRD	secret formerly restricted data	SI	special instruction
SFRFQ	strong-focusing rf quadrupole	SI	spray injection
SFT	stockpile flight test	SI	<i>Système International d'Unités</i> ; International System of Units (metric standard)
SFT	system fault tolerance		
SFT-C	spent fuel test-climax	SIA	salary increase authorization
SG	safeguards	SIA	scalable interconnect architecture
SG	safety guide	SIA	Semiconductor Industry Association
SG	sick grant (attendance code)	SIA	strategic issues analysis
SG	specific gravity (also sp gr)	SIAC	specialized information analysis center
SG	steam generator	SIAM	Society for Industrial and Applied Mathematics
SG	strain gage		
SGA	soil gas analysis	SIC	standard industrial classification/code
SGEMP	systems-generated electromagnetic pulse	SICBM	small intercontinental ballistic missile
SGI	Silicon Graphics, Inc.	SICS	safety injection control system
SGML	standard generalized markup language	SID	sodium ionization detector
SGR	sodium-graphite reactor	SIER	special instruction engineering release
SGR	soft gamma repeater	SIG	site integration group
SGS	segmented gamma-ray scanner	SIG	special interest group
SGS	steam generator system	SIG	strategic integration group
SGS	subgrid scale	SIGCHI	Special Interest Group on Computer and Human Interface (ACM)
SGTR	steam generator tube rupture	SIGGRAPH	Special Interest Group on Computer Graphics (ACM)
SGTS	standby gas treatment system		
SH	single heterostructure	SIGINT	signals intelligence
SH	sleeve housings	SILAS	Secure Interactive Livermore Alarm System
SH	southern hemisphere		
S&H	safety and health (Tiger Team subteam)	SILC	spallation-induced lithium conversion
S&H	shipping and handling	SIMD	single instruction multiple data
S&H FYP	Safety and Health Five-Year Plan	SIMM	single in-line memory module
SHA	solid homogeneous assembly	SIMON	Semi-Intelligent Mobile Observing Navigator (a robot at SRL)
SHA	system hazard analysis		
SHAPE	Supreme Headquarters, Allied Powers in Europe	SIMP	simple intermachine protocol
SHEBA	solution high-energy burst assembly	SIMS	secondary ion mass spectroscopy
SHF	storage-handling facility	SIMS	Store Inventory Management System
SHF	super high frequency	SIMSE	systematic initiative in math & science education
SHG	second harmonic generation		
SHG	surface heating gain	SIMTC	Southwest Industries Manufacturing Technology Center
SHiP	small, high performance		
SHIVA	(LLNL research laser, 1979)	SIN	<i>Schweizerisches Institut für Nuklearforschung</i> (Switzerland)
SHMS	standard hydrogen monitoring system		
SHOP	Small High-Power Optics Program		

SINIO	Signals Intelligence National Intelligence Officer	SLAP	sounds like a plan
SIO	serial input/output	SLAT	supersonic low-altitude target
SIO	Stakeholder Involvement Office	SLATEC	Sandia, Los Alamos, Air Force Weapons Lab Technical Exchange Committee
SIOH	supervisory inspection & overhead	SLB	shallow land burial
SIOP	single integrated operations plan	SLBM	submarine-launched ballistic missile
SIP	safety implementation plan (CAA)	SLBW	single-level Breit-Wigner (cross section)
SIP	scientific investigations plan	SLCM	submarine/sea-launched cruise missile
SIP	site investigation planning	SLCS	standby liquid control system
SIP	state implementation plan	SLD	Scientific Lab Division (Albuquerque, NM)
S/IP	Strategic/Institutional Planning	SLD	superluminescent diode
SIPI	scientists' institute for public information	SLD	surreptitious listening device
SIPRI	Stockholm International Peace Research Initiative	SLEDS	Sandia Laboratories Engineering Drawing System
SIR	safeguards implementation report	SLI	Sandia Laboratory instruction
SIR	serial infrared (HP standard)	SLIP	serial line Internet/interface protocol
SIR	surface-insulation resistance	SLL	Sandia Laboratories Livermore
SIRS	salary information retrieval system	SLM	spatial light modulator
SIRS	satellite infrared spectrometer	SLM	standard laboratory module
SIS	safety injection system	SLM	structure location maps
SIS	space inventory system	SLP	shelf life program
SIS	special inventory system	SLP	single link protocol
SIS	special isotope separation (separator)	SL/PGAD	site layout/plant general arrangement drawings
SIS	stay in school (program)	SLPI	secretory leukocyte protease inhibitor
SIS	surface-ionization-type ion source	SLSF	Sodium Loop Safety Facility
SIS-EDS	special isotope separation engineering demonstration system	SLSM	simple line source model
SISG	superconducting image surface gradiometry	SLT	stockpile laboratory test
SIT	safety injection tank	SLT	strong Langmuir turbulence
SIT	scientific integrated test	SLV	satellite launch vehicle
SITE	Superfund Innovative Technology Evaluation	SM – SN	
SiTR	silicon transformation reaction	SM	safeguards measurements
SITREP	situation report	SM	security manual
SIV	simian immunodeficiency virus	SM	<i>Security/Safeguards Policies and Procedures Manual</i>
SJ	small job (ticket number)	SM	sheet metal
SJCO	supplemental justification for continued operation	SM	shipping manifest
SJC-WCD	San Juan County Water Conservation District	SM	South Mesa Site (TA-3)
SJP	standard job procedures	SM	staff member
SJT	small job ticket	SM	switching module (telephone)
SKA	skills, knowledge & abilities	S&M	surveillance and maintenance
SKIM	spill cleanup inventory	SMAC	shipping mobility/accountability collection (transport'n group database)
SKUA	(Pajarito Site)	SMAC	shipment mobility collection system
SL	safety limit	SMAC	Suspect Material Action Committee
SL	Saha-Langmuir (equation)	SMART	sequential modular architecture for robotics & teleoperation (Sandia)
SL	Salem Technical Services	SMART	stockpile materials requirement tabulator
SL	Sandia Laboratories (now SNL)	SMASE	system management application service element (telecom./computing)
SL	section leader	SMAW	shielded metal arc welding
SL	sick leave	SMAW	submerged metal arc weld
SL	stationary low (meteorology)	SMB	server message block (computing/telecom.)
S/L	solid-to-liquid ratio	SMB	Special Metallurgical Building
SLA	Sandia Laboratories Albuquerque		
SLAC	Stanford Linear Accelerator Center		
SLAMS	state & local air monitoring stations		
SLAMS	State and Local Air Monitoring System		

SMC	selection and monitoring chassis	SNI	San Nicolas Island
SMC	special manufacturing capability (project)	SNL	Sandia National Laboratories
SMC	Specific Manufacturing Capability (Rockwell-INEL)	SNLA	Sandia National Laboratories, Albuquerque (Sandia Laboratories to 12/79; now SNL, NM)
SMC	stopped muon channel	SNLL	Sandia National Laboratories, Livermore (now SNL, CA)
SMCAC-EST	(U.S. Army Technical Center for Explosives Safety)	SNM	special nuclear material
SMCB	Senior Management Construction Board	SNML	Special Nuclear Materials Laboratory
SMCL	secondary maximum contaminant level	SNMP	simple network management protocol
SMCRA	Surface Mining Control & Reclamation Act of 1977	SNO	Sudbury Neutrino Observatory (Canada)
SMDS	switched multimegabit data service	SNOW	(injector design code)
SME	Society for Manufacturing Engineers	SNQ	spallations-neutronenquelle (source)
SME	subject matter expert	SNR	signal-to-noise ratio
SMES	superconducting magnetic energy storage (superconductivity)	S&NSB	Security and Nuclear Safeguards Branch (LAAO)
SMF	Sample Management Facility	SNSI	secret national security information
SMG	Senior Management Group	SNT	sensitive nuclear technology
SMI	structure of management information	SNU	solar neutrino unit(s)
SM&IB	Site Management & Integration Branch (T&MSS)	SNUBS	(magnetohydrodynamic code)
SMMP	socioeconomic monitoring & mitigation plan	SNUR	significant new use rule (TSCA)
SMOA	Superfund memorandum of agreement	SO – SP	
SMP	shared-memory multiprocessor	SO	seller's option
SMP	Site Management Plan	SO	Sollid Optical
SMP	synchronous multiprocessing	SO	special operations
SMPC	Senior Management Planning Council	SOB	Senate office building
SMPTE	Society of Motion Picture & Television Engineers (time code standard)	SOB	start of business
SMR	standardized mortality ratio	SOC	sample overview committee
SMRC	Staff Member Review Committee	SOC	synthetic organic chemical (carbon)
SMRSF	special moment-resisting space frame	SOD	sediment oxygen demand
SMS	source mass spectrometer	SOD	superoxide dimutases
SMSA	standard metropolitan statistical area	SODAR	sound, distance, and ranging
SMT	surface-mount technology	SOE	safe operating envelope
SMTP	simple mail transfer protocol	SOH	state of health
SMU	solid (waste) management unit (usually SWMU)	SOE	sequence of events
S/N	serial number	S&OH	safety and occupational health
S/N	signal/noise (ratio; also SNR)	SOI	silicon on insulator
SNA	systems network architecture	SOI	supply operating instruction
SNAAQS	secondary national ambient air quality standards	SO/JCO	standing order/justification for continued operation
SNACP	(simple network management protocol)	SOM	strength of materials
SNAP	shielded neutron assay probe	SONET	synchronous optical network
SNAP	significant noncompliance action program	SOP	standard operating procedure (LA-series report designator)
SNAP	space nuclear auxiliary power (system)	SOP	standard/safe operating power/procedure
SNAP	Symbolic Nuclear Analysis Program	SOPA	synchronous-orbit particle analyzer
SNARE	(seismic monitoring project)	SOQ	statement of qualification
SNARL	suggested no-adverse response level	SOR	statement of requirement
SNC	significant noncompliers	SOR	successive over-relaxation
SNCS	secure network computer server	SORT	support operations review team
SNDV	strategic nuclear delivery vehicle	SORV	stuck-open relief valve
SNEC	Subgroup on Nuclear Export Coordination	SOS	strahl-on-strahl
SNF	short-range nuclear forces	SOT	systems operation test/testing
SNG	synthetic natural gas	SOTDAT	source test data
SNGBZ	Sierra Nevada-Great Basin Boundary Zone	SOV	soil organic vapor
		SOW	scope of work
		SOW	special order weapon

SOW	stand-off weapon	SPI	Security Profile Inspector (LLNL)
SOW	statement of work	SPI	standard practice instruction
SOX	sound exchange (file/standard)	SPI	strategic planning initiative
SP	sampling point/plan	SPINE	shared program information network
SP	security procedure	SPL	spare parts list
SP	self-potential	SPIE	Society of Photo-Optical Instrumentation Engineers
SP	self-propelled (vehicle)	SPLMD	soil-pore liquid monitoring device
SP	setpoint	SPM	scanning probe microscopy
SP	sick—personal obligation (attendance code)	SPM	site prioritization model
SP	special purpose	SPM	standard preparation module
SP	standard procedure/practice	SPMD	single-processor multiple-data
SP	Supply and Property Department, 5/48–9/80	SPMS	Safety Performance Measurement System (EG&G Idaho)
SPA	Security Plan Assistant	SPMS	Strategic Planning and Management System
SPA	Software Publishers Association	SPO	safety project office (LANL)
SPA	subsystem performance assessment	SPO	special project(s) office
SPAG	standards promotion & applications group	SPOC	single point of contact
SPAN	Space Physics Analysis Network	SPP	site personnel protection
SPAO	Security Planning & Assessment Office	SPP	standard practice procedures
SPAR	Science, Philosophy & Religion (symposium)	SPR	Sandia Pulsed Reactor
SPAR	space power advanced reactor	SPR	Strategic Petroleum Reserve
SPAR	status of permit application report	SPRAA	Strategic Plans & Resources Analysis Agency (JCS)
SPARC	scalable processor architecture (Sun)	SPREFS	space resolving framing spectrograph
SPARC	Space Applications & Research Centre (Pakistan)	SPRPS	Site Program Resource Planning System
SPAWAR	(Space & Naval Warfare Systems Command)	SPR III	Sandia Pulsed Reactor III
SPC	statistical process control	SPS	safety precedence sequence
SPC	Superconductivity Pilot Center	SPS	Southwestern Public Service (Pantex)
SPC	suppression pool cooling	SPS	special project superintendent
SPC	Systems Planning Corporation	SPS	state permit system
SPCC	spill control and countermeasures	SPS	surface plasma source
SPCC	spill prevention, control, and countermeasures plan	SPSE	Society of Professional Scientists & Engineers
SPD	Safety Programs Division (DOE)	SPSS	short-pulse spallation source
SPD	single-purpose device	SPSS	Statistical Package for the Social Sciences
SPD	summary plan description	SP/ST	single pole/single throw (also SPST)
SPD	symmetric and positive definite	SPT	salvage property transfer
SPDL	standard page description language	SPT	standard penetration test
SPDU	session protocol data unit (telecom.)	SPTE	special purpose test equipment
SPE	secondary particulate emissions	SPU	special purpose unit
SPE	solid-phase extraction		
SPEAR	surface profile analysis reflectometer	SQ – SR	
SPEC	specification	SQA	software quality assurance
SPECT	single-photon-emission computed tomography	SQAR	safety quality assurance representative
SPEERA	Secretarial Panel for the Evaluation of Epidemiologic Research Activities	SQBE	small-quantity burner exemption
SPERT	(experimental test reactor, Idaho)	SQC	statistical quality control
SPF	skin protection factor	SQG	small-quantity generator
SPF	site population factor	SQL	standard/structured query language
SPF	Sodium Process Facility	SQ&R	safety, quality, and reliability
SPF	standard project flood	SQUG	Seismic Qualification Utility Group
SPG	specific gravity (also sp gr)	SQUID	superconducting quantum interference device
SPH	smooth particle hydrodynamics	SQW	strained quantum well
SPI	schedule performance index	SQWFET	strained quantum well field effect transistor
		SR	safety rod

SR	Savannah River Operations Office	SRR	submission review record
SR	Savannah River (Plant)	SRR	system requirements review
SR	search and rescue	SRRO	Savannah River Restart Office (DOE)
SR	service request	SSRPO	Salt Rock Project Office (Columbus, OH)
SR	shielded receiver	SRRSPO	Savannah River Restart Special Projects Office (DOE)
SR	source range	SRS	salary review system
SR	special recovery	SRS	Savannah River Site (see SRP, SRL)
SR	spray recirculation	SRSS	square root of the sum of the squares
SR	state route (roadway)	SRT	spent resin tank
SR	status report (LA-series report designator)	SRT	solids residence time
SR	suppressed radiation	SRT	spill response team
S/R	safety/relief	SRT	strategically relocatable target
S/R	stacker/retriever	SRTB	Savannah River technical baseline (SRTB documents issues)
SRA	Society for Risk Analysis	SRTBI	
SRAM	short-range attack missile	SRV	safety/relief valve
SRAM	static random access memory	S/RVO	safety/relief valve open
SRAP	Superfund remedial accomplishment plan		
SRAP	supplemental remedial action plan		
SRB	safety review board	SS – ST	
SRB	solid rocket booster	SS	safe and secure
SRBM	short-range ballistic missile	SS	safety/security interface
SRC	safety review committee	SS	safety stock
SRC	sample receiving custodian	SS	sample station
SRC	Semiconductor Research Corporation	SS	settleable solids
SRC	solvent-refined coal	SS	shift supervisor/superintendent
SRCS	shipper/receiver confirmatory system	SS	site safety
SRD	secret restricted data	SS	source & special material
SRD	service release date	SS	special source
SRDO	snow removal duty officer (JCI)	SS	special studies
SREF	Spallation Radiation Effects Facility	SS	specific specification
SREL	Savannah River Ecology Laboratory (U. of Georgia)	SS	stainless steel (also ss)
SREP	Stockpile Reliability Evaluation Program	SS	storage server for HPSS
SRF	service response force (FEMA)	SS	superfund surcharge
SRF	Size Reduction Facility (Waste)	SS	suspended solids
SRFQ	superconducting radio-frequency quadrupole	S&S	safeguards and security
SRG	Safety Resource Group	S/S	stabilization/solidification
SRG	signal reference grid	SSA	sole-source aquifer
SRG	spectrum-X-gamma (x-ray observatory)	SSA	source selection authority
SRI	Stanford Research Institute	SSAB	site-specific advisory board
SRI	SRI International	SSAC	self-scanning electron-array collector
SRIE	system requirements & integration engineering	SSAC	soil site assimilated capacity
SRI-2	Stanford Research Institute	SSAC	State's Systems of Accounting & Control
SRIM	simulated radar image	SSAR	standard safety analysis report
SRL	Savannah River Laboratory (WSRC)	SSAT	Steady-State Advanced Tokamak (nuclear-powered submarine, ballistic-missile-bearing)
SRL	site rehabilitation levels	SSBN	
SRL	special recovery line	SSC	scientific support contractor/coordinator
S.R.L.	<i>Sociedad de Responsabilidad Limitada</i>	SSC	Space and Siting Committee
SRM	standard reference materials/method	SSC	stainless steel carbon
SRO	Savannah River Operations	SSC	state Superfund contract(s)
SRO	senior reactor operator	SSC	Stennis Space Center
SRO	specification release order	SSC	structures/systems, and components
SRP	Savannah River Plant	SSC	Superconducting Supercollider
SRP	special repair procedure	SS&C	surface storage casks
SRPS	space reactor power supply	SSCL	sand, slag, and crucible
SRR	Site Recommendation Report (DOE)	SSCLAB	Superconducting Supercollider
		SSD	Superconducting Supercollider Laboratory safety scoping document

SSD	solid-state storage device (memory)	SSSP	site safeguards & security plan
SSD	standards support document	SSPC	Steel Structures Painting Council
S/SD	samples and sample duplicates	SSRR	safeguards and security readiness review
SSDC	Safety System Development Center	SST	safe secure transport (trailer) (SNM)
SSDO	Support Services Department (JCI)	SST	single-shell tank(s)
SSE	safe-shutdown earthquake	SST	site-specific (radiation) training
SSE	safe-shutdown event	SST	Space Science and Technology Division
SSEE	subcontractor safety and environmental evaluation	SST	station service transformer
SSFI	safety system functional inspection	SST	supersonic transport
SSI	screening site investigation	SSTS	Space Surveillance and Tracking System
SSI	site screening investigation	SSURO	stop sale, use, and removal order (FIFRA)
SSI	size-selective inlet	SSVCO	side-shooting virtual cathode oscillator
SSI	small scale integration	ST	short term
SSI	steady-state irradiation	ST	sleeve target
SSI	Supercomputer Systems, Inc.	ST	static topology
SSI	suspect site inspection	ST	STORES (on-line ordering and catalog system)
SSIA	single-stage implosion assembled	S&T	science & technology
SSJ	sole-source justification	STA	Science and Technology Agency (Japan)
SSM	specialist staff member	STA	shift technical advisor
SSM	storage system manager for HPSS	STA	station (distance along longitudinal axis from reference point/center of gravity)
SSMP/RIFS	site-specific monitoring plan/work plan, remedial investigations/feasibility studies	STA	surface- and time-averaged
SSMS	spark-source mass spectrometry	S&TA	Science and Technology Alliance
SSN	social security number	STAPPA	state and territorial air pollution program administrators
SSNM	strategic special nuclear material	STAR	(stability wind rose)
SSO	site safety officer	STAR	state acid rain projects
SSO	Space Sciences Office, 3/81–10/81	STARS	satellite tracking & ranging station
SSO	space shuttle orbiter (Soviet)	STARS	State Technology Assistance Resource System (Economic Development Department, New Mexico)
SSO	special security office		
SSO	special systems operation (Intel)		
SSOD	special session on disarmament	START	safety and technical assessment for readiness of technology
SSP	site-specific plan	START	Strategic Arms Reduction Talks/Treaty
SSP	stockpile sampling plan	STB	Science and Technology Base Programs
SSP	Strategic Systems Programs (U.S. Navy)	STC	single-trip container
SSP	subsurface science program	STC	Society for Technical Communication
SSPS	solid-state protection system	STC	Space Technology Center (Air Force)
SSR	satellite system receiver	STC	standard transportation commodity
SSR	secondary system relief	STC	Superconductivity Technology Center
SSR	site suitability report	STD	standard (also std)
SSR	slow-strain rate (test)	STDM	statistical time division multiplexing
SSR	specification status report	STE	system test equipment
SSRI	Special Supporting Research Initiatives	STEL	short-term exposure limit
SSRL	Stanford Synchrotron Radiation Laboratory	STEM	scanning transmission electron microscopy
SSRT	single-stage rocket technology		
SSS	safe shutdown system	STEP	Skills Training and Employment Program
SSS	secondary sampling system	STEP	Standard for the Exchange of Product (Model Data)
SSS	seismically qualified shutdown system		
SSS	sensitized stainless steel	STEP	Systematic Training for Effective Parenting
SSS	shield and seismic support		
SSS	special safeguards study	STET	“let stand” (proofreading mark)
SSS	supplementary safety system (ink)	STF	solar test facility
SSS	support services subcontractor	STG	scanning thermogravimetry
SSSA	site safeguards and security agreement	STGWP	state and tribal government working group
SSS ink	supplementary safety system (neutron poison solution; see Ink)	STI	scientific and technical information

STI	Space Technology Initiative	SUPERFISH	(accelerator code)
STI	Spectra Technology, Inc.	SUPERFUND	(established by CERCLA)
STI	Superconductor Technologies, Inc. (Santa Barbara, CA)	SUPERHET	super high-energy transport
STI	surveillance test interval	SUPO	(built from the HYPO water boiler nuclear reactor; 1951–1974 neutron source)
STIP	Summer Teacher Internship Program	SURE	sulfate regional experiment program
STIS	Scientific and Technical Information Service	SURF	spent unprocessed fuel
STLC	soluble threshold limit concentration	SURV	Space Utilization Research Center (Japan)
STM	scanning tunneling microscopy	SUSSP	Scottish Universities Summer School in Physics
STM	short-term memory	SV	sampling visit
STM	stack tritium monitor	SV	schedule variance
STN	(active matrix color display)	SV	Sierra Vista
STN	(information access system)	SV	space vehicle
STN	scientific and technical information network	SV	suggested viewing (training)
STOCK	(Laboratory Supply Warehouse; SM-30)	S/V	survivability/vulnerability
S.T.O.P.	safety training observation program, JCI	SVA	single-value first-actuation
STORES	(LANL on-line stores ordering system; not an acronym)	SVAFB	South Vandenberg Air Force Base
STP	sewage treatment plant	SVC	special verification commission
STP	short-term program	SVC	switched virtual circuit (see PVC)
STP	spent target pool	SVD	singular value decomposition
STP	standard temperature and pressure	SVGA	super video graphics array
STPA	STP—absolute	SVI	sludge volume index
STPG	STP—gauge	SVID	System V interface description
STPP	sodium tripolyphosphate	SVOC	semivolatile organic compound
ST&RP	stockpile test & repair parts	SVR4	(UNIX System V, release 4)
STRS	stimulated thermal Rayleigh scattering	SVRR	(Russian intelligence service)
STS	significant threshold shift	SW	secondary waste
STS	silicon tracking system	SW	slow wave
STS	site tracking system	SW	solid waste
STS	standard technical specifications	SW	surface water
STS	stockpile-to-target sequence	S/W	steam/water
STSP	stauroporine (life sciences)	SW-846	(EPA-approved test methods for solid waste as per EPA-SW-846)
STTP	small (business) technology transfer program	SWA	Solid Waste Act
STTP	source-term test program	SWAT	(software for armor/anti-armor tests)
STU	secure telephone unit (STU-III)	SWAT	solid waste assessment test/team
STU	sled test unit	SWC	settlement with conditions
STU	systems test unit	SWCS	sanitary wastewater consolidation system
STV	standard test vehicle	SWD	solid waste disposal
STV	surface transport vehicle	SWDA	Solid Waste Disposal Act
		SWEIS	Site-Wide Environmental Impact Statement
SU–SZ		SWEPP	Solid Waste Examination Pilot Plant
SU	standard unit	SWG	safety working group
SU	supervisory (duties)	SWIE	Southern Waste Information Exchange
S/U	startup	SWIMS	solid waste information management system
SUBASE	submarine base (FEMA)	SWL	static water level
SUBWOG	(U.S./U.K. sub-joint working group)	SWLF	solid waste landfill
SUCI	sensitive use-control information	SWM	slow wire monitor
suFET	superconducting field-effect transistor	SWMS	solid waste management system
SUN	Stanford University Network	SWMU	solid waste management unit
SUN	Sun Microsystems Inc.	SWO	service work order
SUP	standard unit of processing	SWO	stop-work order
SUP	supplement/supplemental	SWO	supercritical water oxidation
SUPARCO	Space & Upper Atmosphere Research Commission (Pakistan)	SWOPE	students watching over our planet Earth

SWOP	special weapons operating procedure (U.S. Navy)	TA-14	Q Site
SWP	safety/special work permit	TA-15	R Site
SWP	solid waste processing	TA-16	S Site
SWP	State Water Plan	TA-17	(canceled)
SWQB	Surface Water Quality Bureau (NMEID)	TA-18	Pajarito Laboratory
SWR	Special Water Reactor	TA-19	(removed 1975)
SWR	standing wave ratio	TA-20	Sandia Canyon Site (abandoned 1957)
SWRB	stormwater retention basin	TA-21	Disposal of Plutonium
SWRF	stored waste retrieval facility	TA-22	TD Site
SWRI	Southwest Research Institute (Texas, also SwRI)	TA-23	(removed 1950)
SWS	salt water system	TA-24	T (now in S Site)
SWS	scientific workstation	TA-25	Y (now in S Site)
SWS	service water system	TA-26	(removed 1966)
SWSA	solid waste storage area	TA-27	Gamma Site (abandoned 1945)
SWSC	sanitary wastewater systems consolidation	TA-28	Magazine Area A
SWU	separative work unit	TA-29	Magazine Area B
SX	solvent extraction	TA-30	(removed 1946)
SXR	specification exception release	TA-31	(removed 1954)
SYNCH	(synchronous communications concentrator)	TA-32	(removed 1954)
SYS	system	TA-33	HP Site
SYSOP	system operator	TA-34	(canceled)
T		TA-35	Ten Site Laboratory
T	technology administration (DOC)	TA-36	Kappa Site
T	telephone	TA-37	Magazine Area C
T	test equipment (nomenclature)	TA-38	(canceled)
T	Theoretical Division, 1943–	TA-39	Ancho Canyon
T	thesis (LA-series report designator)	TA-40	DF Site
T	transition metal	TA-41	W Site
T	travel, official (attendance code)	TA-42	Incinerator Site (abandoned 1970)
T	T-Site (TA-240)	TA-43	Health Research Laboratory (HRL)
TA	teaching assistant	TA-44	Los Angeles Shop (abandoned 1956?)
TA	technical area	TA-45	(removed 1967)
TA	technical assistance	TA-46	WA Site (TA-46)
TA	terminal adapter	TA-47	Bruns Railhead (BR) Site
TA	test authority/authorization	TA-48	Radiochemistry Site
TA	timing algorithm	TA-49	Frijoles Mesa Site
TA	transfer aisle	TA-50	Waste Management (WM) Site
TA	transverse-acoustic	TA-51	Radiation Exposure Facility
TA	travel authorization	TA-52	Reactor Development Site
T&A	time and attendance	TA-53	Meson Physics Facility
TA-1	Old Main Technical Area	TA-54	Waste Disposal Site
TA-2	Omega West Reactor	TA-55	Plutonium Facility
TA-3	South Mesa Site	TA-56	Subterrene Basalt Site
TA-4	(removed, 1950)	TA-57	Fenton Hill Site
TA-5	Beta Site (abandoned 1960)	TA-58	Two Mile North Site (proposed)
TA-6	Two-Mile Mesa Site	TA-59	Occupational Health Site (OH)
TA-7	Gomez Ranch Site (abandoned 1945)	TA-60	Sigma Mesa Site
TA-8	Anchor Site West	TA-61	East Jemez Site
TA-9	Anchor Site East	TA-62	Northwest Site
TA-10	(removed 1963)	TA-63	Pajarito Service Area
TA-11	K Site	TA-64	Central Guard Site
TA-12	L Site (abandoned 1953)	TA-65	
TA-13	P Site (now part of TA-16)	TA-66	Central Technical Support Site
		TA-67	Pajarito Mesa Site
		TA-68	Water Canyon Site
		TA-69	Anchor North Site
		TA-70	Rio Grande Site
		TA-71	Southeast Site

TA-72	East Entry Site (target range)	TBA	to be arranged
TA-73	Airport Site	TBC	time base corrector/correction
TA-74	Otowi Site	TBC	to be considered
TAA	Trade Agreement Act	TBCCO	thallium-barium-calcium-copper oxide (superconductivity)
TAC	terminal access control	TBD	to be determined
TAC	training advisory committee	TBM	temporary benchmark
TACT	technical area coordinating team	TBM	theater ballistic missile
TACV	tracked air-cushion vehicle	TBP	tributylphosphate
TAD	tactical air defense	TBP/OK	tri-n-butyl phosphate/odorless kerosene
TADM	tactical atomic demolition munition	TBSCCW	turbine building secondary closed (loop) cooling water
TADP	technology assessment development plan	TBT	tributyltin
TADP	technology assessment and development program		
TAEF	traffic accident evaluation committee	TC – TE	
TAG	technical advisory group	TC	target concentration
TAG	technical assistance grant	TC	technical characteristics/center
TAG	technology assessment group	TC	temperature compensating
TAG	test advisory group	TC	temperature controller
TAG	text and graphics	TC	test component
TAG	transition advisory group	TC	thermal conductivity
TAH	total artificial heart	TC	thermocouple
TAL	target analyte list	TC	time capture/clock
TALM	temperature alarm monitor	TC	total carbon
TALMS	tunable atomic line molecular spectroscopy	TC	tower, cooling
TALON	Theater-Application Launch-On-Notice (hypervelocity missile)	TC	toxic concentration
TAMS	tandem accelerator mass spectrometry	TC	training and certification
TAN	test area north	TC	(Weapons Activity fund type code)
TANSTAAFL	there ain't no such thing as a free lunch	T/C	thermocouple
TAO	TSCA Assistance Office (EPA)	TCA	tank, compressed air
TAP	tank advisory panel	TCA	thermal critical assembly
TAP	target advisory panel	TCA	1-1-1-tetrachloroethane
TAP	technical assistance program	TCB	task control block
TAP	thermoacoustic projector	TCB	terminal connection box
TAP	toxic air pollutant(s)	TCDBF	tetrachlorodibenzofuran
TAP	training accreditation program	TCDD	tetrachlorodibenzo- <i>p</i> -dioxin (dioxin)
TAPI	telephony application programming inter- face (Intel, Microsoft)	TCDF	tetrachlorodibenzofurans
TAR	technical assistance request	TCE	trichlorethylene
TAR	travel authorization request	TCG	topical classification guide
TAS	technical assistance subcontractor	TCI	Technology Commercialization Initiative
TAS	transfer accountability system	TCIS	TIE control and integration subsystem
TASLP	technical area structure location plans	TCL	target compounds list
TASM	tactical air-to-surface missile	TC/LD	thermocouple/lead detector
TASP	technology assessment and selection panel	TCLP	total concentrate leachate procedure
TASP-PWT	TASP–Plutonium Working Team	TCLP	toxicity characteristic leaching procedures
TASS	Threat Assessment Scheduling System	TCM	toxic and chemical materials
TAT	technical assistance team	TCM	transportation control measure
TATB	triaminotrinitrobenzene (insensitive HE)	TCM	trellis coded modulation
TATD	threat assessment training device	TCMX	2-4-5-6 tetrachlorometaxylene
TB	(connecting block)	TCP	technical change proposal
TB	technical bulletin	TCP	transmission control protocol
TB	total body	TCP	transportation control plan
TB	turbine building	TCP	trichloropropane
T/B	target/blanket	TCPI	to-completion cost performance index
T&B	top and bottom	T CPP	Tritium Contingency Production Program
		TCR	telephone conversation record
		TCRI	toxic chemical release inventory
		TCS	tank, condensate steam

TCSUH/MCC	Texas Center for Superconductivity at the University of Houston and Microelectronics and Computer Technology Corporation (Austin)	TE	thermoelectric
TCT	thermocouple tree	TE	transient event
TCTNB	trichloro-trinitro-benzene (explosive)	TE	transverse-electric
TCV	temperature control valve	TE	tritium extraction
TCW	tank, condensate water	T/E	thermoelectric
TCWCIS	transuranic contaminated waste container information system	T&E	test and evaluation
TCWS	tungsten circulating water system	T&E	threatened and endangered
TD	TD Site (TA-22)	T&E	training and evaluation
TD	technology development	TEAM	Technologies Enabling Agile Manufacturing
TD	theoretical density	TEAM	total exposure assessment model
TD	Theoretical Design Division, 01/71–09/79	TEAP	transportation emergency assistance plan
TD	thermal desorption	TEC	technical support series/technician
TD	time delay	TEC	total electron content
TD	time dependent	TEC	total estimated cost
TD	total depth	TECC	Training and Education Coordinators Committee
TD	toxic dose	TED	track etch dosimeters
TD	Treasury Department	TED	transient electrical discharge
T&D	training and development	TEEC	training and education coordinators committee
TDAS	TOW data acquisition system	TEF	Test and Evaluation Facility
TDB	technology database	TEFC	totally enclosed fan cooled
TDC	thermal diffusion coefficient	TEFRA	Tax Equity & Financial Responsibility Act
TDD	technical document description	TEG	tetraethylene glycol
TDD	telecommunications device for the deaf	TEG	thermoelectric generator
TDD	test design description	TEGD	technical enforcement guidance document
TDDE	time domain differential equation	TEL	tetraethyl lead
TDEA	technical data export authorization (form)	TEL	transporter-erector-launcher
TDF	Treatment Development Facility	TELEX	telephone exchange
TDG	transportation of dangerous goods (Canada)	TEM	Texas episodic model
TDG	two-dimensional glow (code)	TEM	thermoelectric electromagnetic
TDH	total developed head	TEM	transmission electron microscope
TDIE	time domain integral equation	TEM	transverse electromagnetic
TDL	target detection limit	TEMPEST	telecommunications emission security
TDM	time division multiplex/multiplexing	TEN	Training and Education Network
TDMA	time division multiple access (mobile phone standard)	TENR	technologically enhanced naturally radioactive
TDMCN	Theoretical Division Monte Carlo Neutron (old code)	TENV	totally enclosed, nonventilated
TDMP	technical data management plan	TEP	technical evaluation panel
TDOA	time difference of arrival	TEPC	tissue-equivalent proportional counter
TDP	technical detail procedure	TEPLA	tensile plasticity (model)
TDR	test deficiency report	TEPP	transportation emergency preparedness program
TDR	time domain reflectometry/reflectometer	TER	technical evaluation report
TDRS	tracking data relay satellite	TERA	terminal effects research and analysis
TDS	time delay switch	TERLS	Thumba Equatorial Sounding Rocket Launching Station (India)
TDS	total dissolved solids	TES	technical enforcement support/services
TDTF	Thermal Distortion Testing Facility	TESS	transition efficiencies in safeguards & security
TDTOX	tetradichlorooxylene		
TDY	tour of duty/temporary duty		
TE	(Defense Environmental Restoration and Waste Management fund type code)		
TE	target extraction		
TE	temperature element		
TE	thermal expansion		

TET	torqueing electrical terminations	TIC	time interval counter
TexAS-ONE	(Texas consortium)	TIC	toxicity identified compounds
TF – TL		TIC	Transportation Information Center
TF	(Materials Production fund type code)	TID	tamper-indicating device
TF	two fluid	TID	total integrated dose
T/F	(field emission enhanced thermionic emission)	TIDE	tactical international data exchange
TFA	total fatty acids	TIE	technical information exchange
TFA	transfer function analyzer	TIE	Technical Integration Program
TFD	Thomas-Fermi-Dirac (method)	TIE	technology integration experiment
TFE	thermionic fuel element	TIFF	tagged image file format
TFF	Target Fabrication Facility	TIG	terminal Internet gateway
TFF	Test Fabrication Facility	TIG	the Installation Group
TFOS	Tank Farm Operations Subcouncil	TIG	tungsten inert gas
TFSG	training financing study group	TIGR	thermally induced gallium removal
TFT	thin-film transistor (disp)	TII	time interval inspection
TFTE	temporary full-time equivalent	TILI	TeraPlex Intermediate Language Interface
TFTR	tokamak fusion test reactor	TIM	time interval meter
TG	task group	TIM	training implementation matrix
TG	turbine generator	TIMS	thermal ionization mass spectrometry
TGA	thermal/thermogravimetric analysis	TIN	triangulated irregular network
TGA	trace gas analysis	TIP	technology investment program
TGCS	tritium gas containment subsystem	TIP	terminal Internet protocol
TGD	technical guidance document	TIP	total ionizables present
TGHS	tritium gas handling subsystem	TIP	transportation improvement program
TGLD	Task Group on Lung Dynamics	TIP	treaty implementation plan
TGO	total gross output	TIPP	transionospheric pulse pair
TGR	toxic gas release	TIR	Technical Information Release (form)
TGS	tomographic gamma scanner	TIR	total indicated runout
TGSCC	transgranular stress corrosion cracking	TIR	total indicator reading
T/H	thermal and hydraulic	TIR	totally internal reflecting/reflection
THAAD	theater high-altitude area defense	TIROS	television & infrared observation satellite
THC	total hydrocarbons	TIS	(National) Technical Information Service (DOC)
THERP	technique for human error rate prediction	TIS	technology investment strategy
THF	tetrahydrofuran	TIS	total integrated scattering
THL	thermal-hydraulic limits	TIS	tube ion source
THM	trihalomethane	TISE	take it somewhere else (see NIMBY)
THT	token hold time (network)	TITANS	Theoretical Institute for Thermonuclear and Nuclear Studies
THTF	Thermal Hydraulic Test Facility (ORNL)	TK	tank
THTR	thorium high-temperature reactor	TK	Tektronix, Inc.
THTS	tungsten heat transport system	TKN	total Kiedahl nitrogen
TI	temperature indicator	TL	time limited
TI	temporary intermittent	TL	tritium loadout
TI	test instruction	TLA	three letter acronym
TI	Texas Instruments	TLCC	total life cycle costs
TI	therapeutic index	TLD	thermoluminescent dosimetry/dosimeter
TI	transport index	TLE	treaty-limited equipment
TIA	(National) Telecommunications & Information Administration (DOC)	TLI	transport-level interface
TIAC	Technical Identification & Analysis Center	TLI	treaty-limited item
TIB	temporary import bond	TSL	transfer-line spill
TIBL	thermal internal boundary layer	TLS	transparent LAN service (networking)
TIC	Technical Information Center (DOE; now OSTI)	TLU	table look-up
TIC	technical information coordinator	TLV	threshold limit value
TIC	tentatively identified compounds	TLV	time, length, and value (telecom.)
		TLV-C	threshold limit value - ceiling
		TLV-STEL	TLV - short-term exposure limit
		TLV-TWA	TLV - time-weighted average

TM – TO

TM technical manual (U.S. Army)
 TM technical memorandum
 TM technical monitor
 TM telemetry
 TM temperature monitor
 TM thematic mapper (Landsat images)
 TM trademark
 TM transition metal
 TM transverse-magnetic
 TM tritium monitoring
 TM turbomolecular
 TM Two-Mile Mesa Site (TA-6)
 T-M time and materials
 T&M time and materials
 TMA transfer mass allocations
 TMAC Toxic Materials Advisory Committee
 TMA TFMS tetramethylammonium
 trifluoromethanesulfonate
 TMC Thinking Machines Corp.
 TMD theater missile defense
 TMD transient mass distribution
 T&MD Tooling & Machine Design Department
 (Pantex)
 TMDL total maximum daily load
 TMI Technology Maturation Initiative
 TMI Three Mile Island
 TMIS technical management information system
 TMLB (risk assessment: station-blackout
 transient)
 TM/LP thermal margin/low pressure
 TMRS target-moderator-reflector-shield
 TMS tool-made sample
 TMS transition metal systems
 TMSS technical manual specifications and
 standards
 T&MSS Technical & Management Support
 Services
 TMT thermomechanical treatment
 TMU transmission message unit
 TMV toxicity, mobility, or volume
 TN thermonuclear
 TN thermoplastic nitrile
 TN Tracor Northern
 TN3270 (telnet variant for IBM mainframe)
 TNC thermal neutron counter
 TNF theater nuclear forces
 TNF tumor necrosis factor (life sciences)
 TNR thermal neutron radiography (LANSCE)
 TNT 2,4,6-trinitrotoluene (explosive)
 TNT trinitrotolual/trinitrotoluene
 TNW theater nuclear weapon/war
 TO task order
 TO technical order
 TO transverse-optic
 TO travel order
 T/O turnover
 TOA time of arrival

TOA trace organic analysis
 TOA type of address (telecom./computing)
 TOAC tritium operations advisory committee
 TOC tactical operations center
 TOC technical overview committee
 TOC total organic carbon
 TOC total organic compounds
 TOC toxic organic compound
 TOD theoretical oxygen demand
 TOF time of flight
 TOFI time-of-flight isochronous (spectrometer)
 TOFMS time-of-flight mass spectroscopy
 TOPAZ (temperature analysis code)
 TOPAZ (Russian space research reactor)
 TOPS (file-serving program; TOPS, Inc.)
 TOPS Teacher Opportunities to Promote Science
 TORT test operations review team
 TOS type of service (telecom.)
 TOSCA (3-dimensional magnet code)
 TOSCA Toxic Substances Control Act (also
 TSCA)
 TOSPAC Total System Performance Assessment
 Code
 TOT time of travel
 TOT total on-time
 TOTO tongue of the ocean (AUTEC)
 TOV total organic volatile
 TOW tube-launched, optically-tracked, wire-
 guided anti-tank missile
 TOX tetradichlorooxylene
 TOX total organic halides/halogens
 TOXLINE toxicology information on line

TP – TR

TP technical publication
 TP test plan
 TP test pressure/procedure, total pressure
 TP thermographic phosphor
 TPA third-party administrator
 TPA transuranic package area
 TPA tri-party agreement
 TPC Technical Program Committee
 TPC temperature profile capsule
 TPC temporary procedure change
 TPC total project/program costs
 TPCI Transportable Cesium Irradiator
 TPCS tungsten primary coolant system
 TPD tons per day
 TPD Toxics & Pesticides Division (EPA)
 TPDU transport protocol data unit (telecom.)
 TPG Technical Program Group (NRC
 committee)
 TPI technical proposal instructions
 tpi tracks per inch
 TPL transient protection limit
 TPL Tritium Processing Laboratory (Japan)
 TPM technical program manager
 TPM test planning meeting

TPM	thermal power monitor	TREE	transient radiation effects on electronics
TPO	technical project/program officer	TRF	temporary relocatable facility
TPO	test program office	TRG	technical review group
TPQ	threshold planning quantity	TRG	test review group
TPR	technical project review	TRI	time-reversal invariance
TPS	tritium processing system	TRI	toxic release inventory
TPSAA	test, pack, ship, assembly & acceptance	TRIB	transfer rate of information bits
TPT	temporary power tap	TRIPS	Travel Reporting/Information/Planning System
TPTF	Two-Phase Test Facility (Japan)	TRIPSII	Travel Reporting Information Planning System
TPTH	triphenyltinhydroxide	TRIR	toxic relief inventory reports
TPX	Tokamak Physics Experiment	TRISP	time-resolved infrared spectral photography
TPY	tons per year	TRIUMF	Tri-Area University Meson Facility
TQAR	technical quality assurance representative	TRIUMF	Tri-Universities Meson (Physics) Facility/Factory (British Columbia, Canada)
TQM	total quality management	TRIV	time-reversal invariance violation
TR	technical representative/review	TRL	Tritium Research Laboratory
TR	Tech Reps	TRLN	Triangle Research Library Network
TR	temperature recorder	TRM	Trailmaster (program)
TR	Thunder Range	TRM	trial run model
TR	time restraint	TRM	training reference manual
TR	Times Roman (font)	TRM	transuranic-mixed (waste)
TR	topical report	TRO	temporary restraining order
TR	traffic	TROFF	text/typesetter runoff (UNIX formatter)
TR	trainer (nomenclature)	TRP	technology reinvestment project
TR	transformer room	TRP	Tokai Reprocessing Plant (Japan)
TR	(records) transfer request (form)	TRP	tuition reimbursement program
TR	travel request (form)	TRR	test and research reactor
TR	tritium recovery	TRRS	time-resolved reflection spectroscopy
TR	tubular reactor	TRS	total reduced sulfur
T-R	transformer-rectifier	TRT	token rotate time (network)
TRA	test reactor area	TRU	transuranic nuclides
TRAC	teacher research associate(s)	TRU	transuranic/transuranium
TRAC	training and analysis command	TRUEX	transuranic (component) extraction
TRAC	transient reactor analysis code	TRUPACT	Transuranic Waste Package Transporter
TRACER	Transportable Remote Analyzer for Characterization and Environmental Remediation	TRUSAF	Transuranic Storage & Assay Facility
TRADE	Training Resources and Data Exchange	TRW	TRW Inc.
TRADE	Tri-Area Association for Economic Development		
TRADOC	Training and Doctrine Command (U.S. Army, Ft. Gordon)	TS – TT	
TRAIN	Transportation Assessment and Integration	TS	technical specifications
TRAM	transient multiplexer	TS	technical support (series)
TRANSX	transport cross section (NJOY/ENDF)	TS	test specification
TRANSIMS	Transportation Analysis and Simulation System	TS	top secret
TRC	technical review committee	TS	toxic substance
TRC	total recordable cases	TS	treatment system
TRD	technical records database (JCI)	TS	tritium storage
TRD	technical requirements document	TSA	(Alcoa ceramic composite)
TRD	transition radiation detector	TSA	target software agent(s)
TRD	transit routing domain (telecom.)	TSA	technical safety appraisal
TRE	total rare earths	TSA	technical security area
TRE	turbidity removal evaporator	TSA	technical support area
TREAT	transient reactor test	TSA	Technology and Safety Assessment Division, 10/93–
TRED	Technology-Based Regional Economic Development (Sandia)	TSA	Transuranic Storage Area
		TSAT	saturation temperature
		TSC	task sequence controller

TSC	Training Steering Council	TTAP	Tiger Team Action Plan
TSCA	Toxic Substances Control Act (1976)	TTBT	Threshold Test Ban Treaty
TSCG	Telecommunications Satellite Corporation of Japan	TTC	Transportation Technology Center
TSCM	technical surveillance countermeasures	TT&C	telemetry, tracking, and control
TSCM	temperature scram circuit monitor	TTCAP	Tiger Team Corrective Action Plan
TSCO	top secret control officer	TTCS	technology transfer & commercialization staff
TSD	technical support document	TTF	transient time flowmeter
TSD	transportation, storage, and disposal	TTFA	target transformation factor analysis
TSD	treatment, storage, and disposal (also T/S/D)	TTFN	ta-ta for now
TSE	technical surveillance equipment	TTG	technical task group (State)
TSE	tritium science and engineering	TTHM	total trihalomethane
TSEP	Teachers' Summer Employment Program	TTI	technology transfer initiative (DOE)
TSF	Tritium Salt Facility	TTL	technical team leader
TSF	Tritium Separation Facility	TTL	time to live (IP packet header)
TSFF	Tritium Science & Fabrication Facility	TTL	transistor-transistor logic (chip)
TSG	technical steering/support group	TTLA	Tiger Team at Los Alamos
TSH	target sleeve housing	TTLC	total threshold limit concentration
TSI	technical site information	TTO	total toxic organics
TSI	TEMPEST security index	TTOC	Tiger Team Operations Center
TSI	Transportation Safety Institute	TTP	technical task plan
TSIG	Trusted Systems Interoperability Group	TTR	thermal test reactor
TSL	Ten Site Laboratory (TA-35)	TTR	time to repair
TSM	technical staff member	TTR	Tonopah Test Range
TSM	Tonopah Spring Member	TTS	temporary threshold shift
TSO	technical support office	TTS	time-temperature-sensitization
TSP	thrift savings plan	TTV	tenth thickness value
TSP	total suspended particles/particulates	TTY	teletype message
TSP	training section procedure	TTY	teletype/teletypewriter
TSP	treatability study plan		
TSP	trisodium phosphate	TU – TZ	
TSPA	total system performance assessment	TU	temporary unit
TSPO	Technical Support Program Office	Tuballoy	"Tube Alloys Limited"; natural (or depleted) uranium
TSQ	training staff qualifications		
TSR	technical safety requirement/review	TUI	Trans-Uranium Institute
TSR	technical specification requirement	TV	time variance
TSR	terminate-and-stay-resident (program)	TVA	Tennessee Valley Authority
TSR	thermal shock rig	TVC	Technology Ventures Corporation (1993, Martin Marietta)
TSR	total stress range		
TSRC	technical security resources center	TVL	tenth-value layer
TSS	terminal security system	TVO	total volatile organics
TSS	timesharing subsystem/system	TW	tare weight
TSS	total suspended solids	TWA	time-weighted average/authority
TSS	Transportation Safety System	TWA	two-way alternate (see TWS)
TSS	tritium separation system	TWC	tank, water, chilled/city/cool
TS&T	technical, scientific, and trade study report	TWC	Texas Water Commission
TSTA	Tritium Systems Test Assembly	TWF	transuranic waste facility
TSTE	target source term experiments	TWFM	traveling wire flux monitor
TSU	<i>Tsentral'noye Statisticheskoye Upravleniye</i> ; Central Statistical Administration	TWG	technical working group, LANL LLC
		TWG	test working group
TT	temperature transmitter	TWH	tank, water, hot
TT	test temperature	TWISP	Transuranic Waste Inspection Project (Area G, TA-54)
TT	transition technologies		
TT	tube trailer	TWODANT	Two-Dimensional, Diffusion-Accelerated, Neutral Particle Transport (Discrete Ordinates Code)
tt	tube turns		
TTA	Tiger Team Assessment	2,4,5-T	trichlorophenoxyacetic acid
		TWRS	Tank Waste Remediation System

TWS	two-way simultaneous (telecom.) (see TWA)
TWT	tank, waste treatment
TWT	traveling wave tube
TWTSF	transuranic waste treatment & storage facility
TWX	teletypewriter exchange service
TWX	teletype transmission
TX	tank, expansion/compression
TY	type (nomenclature)
TZ	treatment zone
TZM	The Zia Manual (Zia Co. Health & Safety Manual)

U

U	uncleared
U	unclassified
U	unit (nomenclature)
U	up (quark)
UA	University of California Audits
u.a.	<i>und andere</i> ; and others (German)
u.a.	<i>unter anderem</i> ; other things
u.a.	<i>unter andern</i> ; among others (inter alia)
UAC	user advisory committee
UAE	unrecoverable application error
UAM	urban airshed model
UAP	uranyl ammonium phosphate
UAQI	uniform air quality index
UARG	utility air regulatory group
UARS	Upper Atmosphere Research Satellite (NASA)
UART	universal asynchronous receiver/transmitter
UAS	urban airshed (model)
UBC	Uniform Building Code
UC	unclassified
UC	University of California
UCA	ultraclean air
UCB	University of California at Berkeley
UCC	ultra clean coal
UCC	Uniform Commercial Code
UCC	utilities control center
UCD	University of California at Davis
UCDI	unemployment compensation disability insurance
UCDRD	University of California Directed Research & Development
UCG	underground coal gasification
UCI	University of California at Irvine
UCIP	Undergraduate Co-op/Intern Program
UCL	upper confidence level
UCL	upper control limit
UCLA	University of California at Los Angeles
UCN	ultra-cold neutron
UCND	Union Carbide Nuclear Company
UCNI	Unclassified Controlled Nuclear Information

UCOP	UC Office of the President
UCPAP	UC Personnel Assignment Program
UCR	unconditioned response
UCR	undercolor removal
UCR	unit carcinogenic risk (probability per dose unit of producing cancer)
UCR	University of California at Riverside
UCR	usual, customary, and reasonable (health care charges)
UCRL	University of California Research/Radiation Laboratory
UCRP	Univ. of California Retirement Plan
UCRS	Uniform Contractor Reporting Service (DOE)
UCRS	Univ. of California Retirement System
UCS	unconditioned stimulus
UCS	unconfined compression strength
UCS	Union of Concerned Scientists
UCSB	University of California at Santa Barbara
UCSC	University of California at Santa Cruz
UCSD	University of California at San Diego
UCSF	University of California at San Francisco
UCSP	upper core-support plate
UCT	universal coordinated time
UDBR	Upper Demonstration Breakout Room
UDH	Utah Department of Health
UDP	user datagram protocol (transport layer)
UDRI	University of Dayton Research Institute

UE – UR

UE	uniform elongation
UE	United Electric
UEIC	Unplanned Event Information Center (RF)
UEL	upper explosive limit
UF	ultrafiltration
UF	uncertainty factor
UF	urea-formaldehyde
UFIS	user-funded interim storage
UFL	upper flammable limit
UFSAR	updated final safety analysis report
UFT	ultrafast track
UGEX	Underground Experiment (<i>see</i> AGEX)
UGS	undergraduate student (program)
UHE	ultrahigh energy
UHF	ultra-high frequency
UHG	ultra high gain (antenna)
UHTREX	Ultra-High-Temperature Reactor Experiment (1969)
UHV	ultrahigh vacuum
UHVP	ultrahigh-velocity projectile
UHWM	uniform hazardous waste manifest/material
UI	UNIX International
UI	unnumbered information
UIC	underground injection control (programs)
UIC	University of Illinois at Chicago
UICC	Union Internationale Contre le Cancer
UIG	underground injection control (SDWA)

UIS	user interface specification	UPS	United Parcel Service
U.K.	United Kingdom	UPTF	Upper Plenum Test Facility (Germany)
UKAWE	Atomic Weapons Establishment (U.K.)	UPW	uniform present worth
UL	Underwriters' Laboratories, Inc.	UR	University Relations
UL	upper level	UR	unsatisfactory report
ULAC	uranium/liquid-argon calorimeter	UR	user requirement
ULD	upper level discriminator	URA	ultrareduced redundant array
ULH	unit labor hours	URA	uniformly redundant array
ULISSES	Uranium Line for Separation Science of Enriched Scrap	URA	uniform resource address
ULMS	undersea long-range missile system	URA	Universities Research Association
ULP	unfair labor practices	URA	uranium recycle acid
ULP	upper layer protocol	URC	ultrasonic resin cleaner
ULR	Unassigned Land Reserve (TA-0)	URD	underground residential distribution
UMDO	Utilities Department (JCI)	URL	uniform resource locator (Web/Internet)
UMT	uranium mill tailings	URMA	utilities replacement & modification accord
UMTRA	uranium mill tailings remedial action	URMF	Underrepresented Minority and Female Program
UMTRCA	Uranium Mill Tailings Radiation Control Act	URN	uniform resource name (Web)
UN	United Nations	URR	utilities external review board
UN	uranyl nitrate	URSE	University Relations & Science Education
UNAMAP	Users' Network for Applied Modeling of Air Pollution	URSI	Union of Radio Science International (French)
UNC	University of North Carolina	URT	upper respiratory tract
UNCERT	(FLOWTRAN-FI with uncertainties)	URV	unit risk values
UNDP	United Nations Development Program		
UNE	underground nuclear explosion	US – UZ	
UNEP	United Nations Environment Program	U.S.	United States (also US)
UNGA	United Nations General Assembly	USA	United States Attorney
UNH	uranium nitrate hexahydrate	USABC	U.S. Advanced Battery Consortium (Chrysler, Ford, General Motors & EPRI; consortium)
UNICOM	unified communications		
UNICORN	UNICOS Real-time NADIR	USACE	United States Army Corps of Engineers
UNICOS	UNIX-based Cray Operating System	USACM	(U.S. Public Policy Committee of the Association for Computing Machinery)
UNILAC	(accelerator in Darmstadt, Germany)		
UNLV	University of Nevada at Las Vegas	USAEC	United States Atomic Energy Commission
UNM	University of New Mexico	USAF	United States Air Force
UNMA	unified network management architecture	USAKA	United States Army, Kwajalein Atoll
UNM/LA	University of New Mexico/Los Alamos branch campus	USASDC	U.S. Army Strategic Defense Command
UN/NA #	United Nations/North America number	USATHAMA	U.S. Army Toxic & Hazardous Materials Agency
UNR	University of Nevada at Reno		
UNWMG	Utility Nuclear Waste Management Group	USB	universal serial bus
UO	University Outreach	USBM	United States Bureau of Mines
UOGF	uranium off-gas filter	USC	uniform (unified) soil classification
UOI	utilities operating instruction	U.S.C.	United States Code
UOR	unusual occurrence report	USC	University of Southern California
UORS	unusual occurrence reporting system	U.S.C.A.	United States Code Annotated
UP	Union Pacific Railroad	USCG	United States Coast Guard
UP2, UP3	<i>Usines (Unités) de production de plutonium</i> (la Hague, France)	USC&GS	United States Coast and Geodetic Survey
UPC	Uniform Plumbing Code	USCS	United States Commercial Standard
UPC	universal product code	U.S.C. Supp.	United States Code Supplement
UPI	upper plenum injection	USD	upper structure dynamics
UPL	unacceptable pollutant level	USDA	United States Dept. of Agriculture
UPO	Utilities Program Office	USDW	underground source(s) of drinking water
UPR	uranium production reactor	USEF	Institute for Unmanned Space Experiments Force Flyer (Japan)
UPS	uninterruptible power supply/system	USENET	UUCP network
UPS	ultraviolet photoemission spectroscopy		

USFS United States Forest Service
 USFWS United States Fish and Wildlife Service
 USGS United States Geological Survey
 USH universal sleeve housing
 USIA United States Information Agency
 USMA United States Military Academy (West Point)
 USN ultrasonic nebulization
 USNA United States Naval Academy (Annapolis)
 USNCB United States Naval Construction Battalion (SEABEES)
 USNR United States Naval Reserve
 USNRC U.S. Nuclear Regulatory Commission
 USNRDL United States Naval Radiological Defense Laboratory
 USPHS United States Public Health Service
 USPTO United States Patent & Trademark Office
 USQ unresolved/unreviewed safety question
 USRADS ultrasonic ranging and data system
 USS United States ship
 U.S.S.R. Union of Soviet Socialist Republics (obsolete) (also USSR)
 UST underground storage tank
 USTA U.S. Trademark Association
 USTENN University of Tennessee Center for Biotechnology
 USTR United States Transuranium Registry - Richland, Washington
 USWB United States Weather Bureau
 UT ultrasonic testing/transducer
 UT universal time (zulu, GMT)
 UTB uranium tritide storage beds
 UTC unit type code
 UTC universal time coordinated (GMT)
 UTCG Underground Testing Coordinating Group
 UT/CSD United Technologies/Chemical Systems Division
 UTIC universal tool interface coupling
 UTM Universal Transverse Mercator (coordinates)
 UTOS United Technology Optical Systems
 UTP unshielded twisted pair
 UTP urban transportation planning
 UTR university training reactor
 UTS ultimate tensile strength
 UU ultimate use/user
 UU ultimate user (packaging specification)
 UofU University of Utah
 UUCP UNIX-to-UNIX Copy program/network
 UURI University of Utah Research Institute
 UUT unit under test
 UV ultraviolet (also uv)
 UV undervoltage
 UV-A ultraviolet radiation-A range
 UV-B ultraviolet radiation-B range
 UV-C ultraviolet radiation-C range
 UVP ultraviolet peroxide
 UVSC uranium ventilation scrubber cell

UV-VIS ultraviolet-visible (absorption spectrum) (also UV-vis)
 UWB ultrawideband
 UWO Undersea Warfare Office
 UWSFC United Way of Santa Fe County
 UXO unexploded ordnance
 UZ unsaturated zone
 UZM unsaturated zone monitoring

V

V vacation (attendance code)
 V V-Site (TA-25)
 VA Veteran's Administration
 VA vital area
 VA vulnerability assessment
 VAD ventricular assist device
 VADM vice admiral
 VAFB Vandenberg Air Force Base
 VAFC VESA Advanced Feature Connections
 VAL vehicle administrative liaison
 VAM vibration acoustical monitoring
 VAMS Visits & Assignments Management System
 VAN value-added network
 VAR vacuum arc remelt
 VAR value-added reseller (agreement)
 VAR variance analysis report
 VAR visual-aural range
 VASA visual approach slope indicator
 VAT value-added tax
 VAT vinyl asbestos tile
 VAX virtual address extension (DEC computer)
 VB valance band
 VB vapor barrier
 VBE/AI VESA BIOS extension/audio interface
 vBNS very-high-speed backbone network server
 VBR variable bit rate
 VC vaporizer concentrate
 VC virtual circuit
 V/C vaporization/condensation
 VCA voluntary corrective/cleanup action
 VCM vinyl chloride monomer
 VCO voltage-controlled oscillator
 VCP vitrified clay pipe
 VCR variable compression ratio
 VCR video cassette recorder
 VDI video device interface
 VDISK virtual disk
 VD/OS vacuum distillation/overflow sampler
 VdP Van der Pol
 VDT video display terminal
 VDTT velocity, density, thermocouple tree
 VDU video display unit

VE – VJ

VE	(Isotope Production & Distribution fund type code)
VE	value engineering
VE	vertical elutriators
VE	visual emissions
VENTSY	ventilation system unavailability
VEO	visible emission observation
VEOR	variable efficiency output rhomb
VER	volume expansion ratio
VERIP	voluntary early retirement incentive program
VERONICA	very easy rodent-oriented net-wide index to computerized archives
VES	vapor extraction system
VES	Visitor and Educational Services, 08/80–
VESA	Video Electronics Standards Association
VF	vaporizer feed
VFC	variable-flow cooling
VFD	volunteer fire department
VFI	void fraction instrument
VFQ	variable-field quadrupole
VFR	visual flight rules
VFW	video for Windows (Microsoft)
VG	vacation grant (attendance code)
VGA	video graphics array (IBM standard)
vgl.	<i>vergleiche</i> ; compare (German)
V&H	vertical and horizontal (coordinates)
VHAP	volatile hazardous air pollutant
VHEU	very highly enriched uranium
VHF	very high frequency
VHN	Vickers hardness number
VHO	volatile halogenated organics
VHRA	very high radiation area
VHS	vertical & horizontal spread model
VHSIC	very high speed integrated circuit
VHT	vehicle-hours of travel
VHT	very high temperature
VI	vent isolation
VI	viscosity index
VI	visitor
vi	visual editor (UNIX)
VI	Visual Interface
V&I	verification and intelligence
VIC	vector in commander
VICTORIA	(fission-product transport code)
VIDI/O	video input/output
VINES	Virtual Networking System (Banyan)
VIP	very important person
VIS	visitor
VISAR	velocity interferometer system for any reflector
VISTTA	visibility impairment from sulfur transformation & transport in the atmosphere
VITA	Volunteers in Technical Assistance
VITC	vertical interval time code (SMPTE standard)

VIV

variable inlet vane

VK – VR

VKT	vehicle-kilometers traveled
VL	various locations
VL	video local (Video Electronics Standards Association local bus standard)
VLA	very large array
VLBA	very long baseline array
VL&C	vulnerability, lethality, and countermeasures
VL&E	vulnerability, lethality, and effects
VLF	very low flow
VLF	very low frequency
VLFC	very low flow constant
VLIW	very long instruction word
VLP	viruslike particle
VLS	vertical launch system
VLSI	very large-scale integration
VLSIC	very large scale integrated circuit(s)
VM	virtual memory
VM	volatile matter
VM	voltmeter
VMC	valve maintenance corridor
VM Channel	video media channel (Video Electronic Standards Association)
VME	Versa Module European
VME	virtual memory extension
VMOS	vertical metal oxide semiconductor
VMS	Virtual Memory System (developed by Digital Equipment Corporation)
V-MT	vittrification using microwaves and thermal energy
VNIIE	(All-Union Scientific Research Institute of Electric Power Engineering)
VNIIEF	(All-Russian Scientific Institute of Experimental Physics, Arzamas-16)
VNIITF	(All-Russian Scientific Institute of Technical Physics)
VOA	Voice of America
VOA	volatile organic analysis
VOA	Volunteers of America
VOC	(voice file, digital recording)
VOC	volatile organic contaminant/compound
VO-COOP	vocational cooperative student program
VOF	volume of fluid
VOG	vessel off-gas
VOH	volatile organic hydrocarbons
VOM	volt-ohmmeter
VOS	virtual operating system
VOST	volatile organic sampling train
VOTS	VAX OSI Transport Service
VP	vapor pressure
VP	variance propagation
VP	velocity pressure
VP	vice president
VPCE	vapor phase catalytic exchange
VPM	video profile monitor
VPN	virtual private network

VPP Voluntary Prevention Program
 VQ vector quantization
 VR vehicle representative
 VR ventilation and radiation
 VR volume reduction
 VRAM video random access memory
 VRC vertical redundancy check
 VRE vibrating reed electrometers
 VRML virtual reality modeling/markup language
 VRS vacuum relief system

VS – VZ

VS vacation sick (attendance code)
 VS vapor suppression
 VS virtual storage
 VS VSM; visiting staff member
 VSAT very small aperture terminal
 VSD variable speed drive
 VSD virtually safe dose
 VSF virtual file system (POSIX)
 VSI visual site inspection
 VSM virtual shared memory
 VSM visiting staff member
 VSP vehicle survivability program
 VSP vertical seismic profiling
 VSP Vision Service Plan
 VSS volatile suspended solids
 VSSC Vikram Sarabhai Space Centre (India)
 V/STOL vertical/short takeoff and landing
 VSWR voltage-standing wave ratio
 VSX verification suite for X/Open
 VT virtual terminal
 VT visual testing
 VT voting time (attendance code)
 VTC video teleconference (center)
 VTI Dzerhinskiy All-Union Institute of Health Engineering
 VTS vacuum thermal stability
 VTS vertical tube storage
 VU vector units
 VU veeder units (control rod position)
 VUL vulnerability (unit)
 VUV vacuum ultraviolet
 VV vapor volume
 VVCS vacuum vessel coolant system
 VVER *vodo-vodyanoy energeticheskoy reaktor*;
 Russian pressurized-water reactor
 VWE vanadium wire equilibration
 VWO valves wide open
 VWR VWR Scientific, Inc.; Van Waters and
 Rogers (in-plant store)
 VZMW vadose zone monitor well

W

W warhead (designator)
 W waste
 W Weapons Engineering Div, 7/48–9/72

W weekend shift (attendance code)
 W Westinghouse Electric Corporation
 W W Site (TA-41)
 W-2-W wall-to-wall (property inventory)
 W3 World Wide Web
 W-70 Lance missile warhead
 W-79 artillery shell warhead
 W-82 howitzer shell warhead
 W-84 GLCM warhead
 W-87 MX warhead
 WA (General Science & Research fund code)
 WA WA Site (TA-46)
 WA washer, air
 WA weapons assembly
 WA work assignment
 WAA waste accumulation area
 WAAS wide-area augmentation system (global
 satellite positioning)
 WABI Windows Application Binary Interface
 WAC waste acceptance criteria
 WAC WIPP acceptance criteria
 WACC waste acceptance criteria committee
 WACS work authorization control systems (DOE)
 WAD weak acid dissociable
 WAD work authorizing document
 WADS work authorization directives (DOE)
 WADTF Western Atmospheric Deposition Task
 Force
 W-AESD Westinghouse—Advanced Energy System
 Division
 WAFFOG wire and fluorescent fiber offset grid
 WAG waste area grouping(s)
 WAG wild-assed guess
 WAIS wide-area information server
 WAN wide area network
 WAND waste acceptance for nonradioactive
 disposal
 WANTO Weapons Agencies Nondestructive
 Testing Organization
 WAO wet-air oxidation
 WAP waste acceptance process
 WAP waste analysis plan (RCRA)
 WAP weapon appraisal process
 WAPA Western Area Power Administration
 WAPR weapon assembly product record
 WAPS waste acceptance preliminary
 specifications
 WAS work authorization system
 WASP waste accountability, shipping, packaging
 WATCHCON watch condition (intelligence)
 WATS wide-area telephone system
 WAV (sound wave file)
 WAVE (particle code)
 WB wet bulb
 WB whole body
 WBC white blood cell
 WBC whole-body count
 WBCN wide band communications network

WBE women-owned business enterprise
 WBL Whitham-Bdzil-Lambourn
 WBNS water-boiler neutron source
 WBS work breakdown structure

WC – WI

WC water closet
 WC water column
 WC weather condition
 WCA Workers' Compensation Administration
 WCC Woodward-Clyde Consultants
 WCED World Commission on Environment & Development
 WCF waste-calcinating/calcining facility
 WCO wet catalyzed oxidation
 WCR weapons complex reconfiguration
 WCR/DC WCR/Washington, DC
 WCS waste compaction station
 WCWS window circulating water system
 WD ED-Site (TA-45)
 WD (Nuclear Waste fund type code)
 WD waste disposal
 WD weapon data
 WD wiring diagram (drawing no. prefix)
 WD withdrawn
 WDAS waste drum assay system
 WDC weapons depreciation costs
 WDIID weapons diagnostic instrumentation and development (building)
 WDRG Washington Defense Research Group
 WDS water disposal system
 WDS wavelength dispersive x-ray spectroscopy
 WDSP Weapons Design Standardization Panel
 WDV water dilution volume
 WE weapon engineering
 WEAF Waste Examination Assay Facility (OR)
 WEC Westinghouse Electric Corporation
 WED waste engineering development
 WEFF Waste Encapsulation and Fractionation Facility
 WEL Women's Executive Leadership (Program)
 WELL Whole Earth 'lectronic link
 WEMPE wideband electromagnetic pulse environment
 WEP water-extended polyester
 WERC Waste Management Education and Research Consortium
 WERF waste experimental reduction facility
 WERL waste engineering research laboratory
 WESF Waste Encapsulation & Storage Facility
 WESST Women's Economic Self-Sufficiency Team
 WESTPO Western (Governors') Policy Office
 WET waste extraction test
 WET Weapons Engineering Tritium (S-Site)
 WETF Weapons Engineering Tritium Facility (TA-16)
 WEU Western European Union

WF2C WorkForce 2000 Council
 WFO waste facilities operations
 WFO work for others
 WFPM Western fine particulate monitoring
 WFQ waste form qualification
 WG waste gas
 WG water/wire gauge
 WG weapons grade
 WG working group (work group)
 WGA Western Governors' Association
 WGC working group coordinator
 WGI within-grade increase
 WGWA Working Group for Waste Acceptance
 WH warhead
 WH Westinghouse
 WHAP whole arm proximity sensor (Sandia)
 WHB waste handling building
 WHC Westinghouse Hanford Company
 WHIMS wet high-intensity magnetic separation
 WHO World Health Organization (UN)
 WHPP waste handling and packaging plant
 WHPP Wellhead Protection Program
 WHTS window heat transport system
 WI water intrusion
 WI weapon initiator
 WI working instructions
 WICEM World Industry Conference on Environmental Management
 WICI Women In Communications, Inc.
 WinDD Windows Distributed Desktop
 WIGGLE (time-dependent axial power distribution code based on 1-D diffusion theory)
 WILT waste interface leaching test
 WIMS Winfrith improved multigroup reactor (code)
 WIN waste information network
 WINCO Westinghouse Idaho Nuclear Company
 WINSOCK Windows sockets
 WIP work in progress
 WIPP Waste Isolation Pilot Plant (Carlsbad, NM)
 WIR weapon information report
 WIS weapon information system
 WIS Women in Science (program)
 WISE Women in Science and Engineering
 WISR Westinghouse Independent Safety Review

WJ – WR

WJSA W.J. Schafer Associates
 WKB Wentzel-Kramers-Brillouin (see also JWKB)
 WKS worksheet
 WKS workstation subsystem
 WL warning letter
 WL working level(s) (radon measurement)
 WLA wasteload allocation
 WLA/TMDL wasteload allocation/total maximum daily load
 WLD Water and Land Division (EPA)

WLM	working level month	WPRA	wavy plate reactive armor
WLT	weakest link theory	WPRS	waste profile request (form)
WM	waste management	WPS	welding procedure specification
WM	WM Site (TA-50)	WPSO	WIPP Project Site Office
WM	women-owned minority business	WPTP	work package task pages
WMAF	waste minimization award program	WQA	Water Quality Act (1987)
WMC	waste management coordinator	WQC	water quality criteria
WMC	waste minimization coordinator	WQCC	Water Quality Control Commission, NM
WMCO	Westinghouse Materials Company, Ohio	WQR	welder qualification record
WMD	Water Management Division (EPA)	WQT	welder (performance) qualification test
WMD	weapon of mass destruction	WQ&T	water quality and testing
WMDO	Work Management Department (JCI)	WR	war reserve
WMF	Windows metafile format	WR	Western Range
WMFU	Waste Minimization Facility Upgrade	WR	wide range
WMIN	waste minimization	WRA	water reducing admixture
WMIS	waste management information system	WRAP	waste receiving and processing plant
WMM	weapon materials and manufacturing	WRC	Water Resources Council
WMO	waste management operations	WRDA	Water Resources Development Act (1986)
WMO	World Meteorological Organization	WRD&T	weapons research, development & testing
WMOSD	Waste Management and Operational Surety Division (DOE)	WRI	World Resources Institute
WMP	waste management plan	WRITE	Waste Reduction Innovative Technology Evaluation
WMPO	Waste Minimization Program Office	WRITE	Writing Resources Interlaboratory Talent Exchange
WMR	welding material requirement	WRM	wide-range monitor
WMSC	Waste Management Steering Committee	WRSM	Water Reactor Safety Information Meeting
WNINTEL	(Warning Notice: Intelligence Sources and Methods Involved)	WRSS	water removal and storage system
WNR	Weapons Neutron Research (facility at LANSCe, TA-53)	WRT	with respect to
WNRC	Washington National Records Center		
WNT	waste neutralization tank	WS – WZ	
WO	waste operations	WS	weapon science
WO	work order (request)	WS	width skew
WOC	weapons operating costs	WS	Women in Science (also WIS)
WOCC	waste operations control center	WS	worker safety and health (OSHA)
WOG	water, oil, or gas	WS	work status
WORM	write-once read-many (optical drive)	WS	World Services
WOS	work order system	W&S	wisdom and sense
WP	warm pipe	WSA	wilderness study area
WP	Warsaw Pact	WSC	Washington Science Center (Rockville, MD)
WP	waste package	WSC	waste stream characterization
WP	waterproof	WSC	World Space Congress
WP	word processor/ing	WSCP	Western States Coordinating Council
WP	work package/procedure	WSCP	water-soluble chelating polymer/ultra- filtration
WP	work plan		
WPAS	Work Package Approval System	WSCS	window secondary cooling system
WPC	Warrior Preparation Center (U.S. Army)	WSD	Wage and Salary Dept, 09/54–01/80
WPC	Weapons Programs Control (Rocky Flats)	WSF	water-soluble fraction
WPCF	Water Pollution Control Federation	WSL	Weapons Subsystems Laboratory
WPCG	Waste Package Coordinating Group	WSMR	White Sands Missile Range
WPCS	window primary coolant system	WSQ	wavelet scalar quantization
WPD	weapon program description	WSRC	Westinghouse Savannah River Company
WPE	word processing equipment	WSRIC	waste stream & residue identification & characterization
WPF	Waste Preparation Facility		
WPF	waste profile form	WSS	Windows sound system
WPM	words per minute	WSS	work smart standards
WPR	waste profile request		
WPR	weapon product record		

WSSRAP	Weldon Spring Site Remedial Action Project (St. Louis)
WT	wall thickness
WT	waste transfer
WT	watertight
WT	weapon testing
WT	wild type
WT	work ticket
WTE	waste to energy
WTF	waste treatment facility
WTPF	Water, Toxics & Pesticides Staff (EPA)
WTS	wastewater and tank systems
WTSHRD	Water & Toxic Substances Health Research Division (EPA)
WV	West Valley
WVDP	West Valley Demonstration Project
WVHLW	West Valley high-level waste
WVN	water vapor nitrogen
WVP	waste vitrification projects
WVQ	wavelet vector quantization
WWEMA	Waste & Wastewater Equipment Manufacturers Association
WWF	World Wildlife Fund
WWG	weapons working group
WWMCSS	worldwide military command and control system
W/WTSD	Westinghouse Waste Technology Services Division
WWTP	wastewater treatment plant
WWW	World Wide Web (network [CERN])
WX	Design Engineering Division
WYSIWIG	what you see is what you get
WYSIWIS	what you see is what I see

X

X	Applied Theoretical and Computational Physics Division, 10/93–
X	Applied Theoretical Physics Division, 10/79–10/93
X	Explosives Division, 8/44–8/48
X	X-Site (TA-17)
XA	extended architecture
XA	(Uranium Enrichment fund type code)
XAFS	x-ray absorption fine structure
XANES	x-ray absorption near-edge structure
XAS	x-ray absorption spectroscopy
XCL	(command languages and shells)
XCMD	external command (HyperCard)
XCS	experimental contamination studies
XDR	external data representation
XEDS	x-ray energy dispersive spectrometer
XENIX	(SVID-compliant operating system)
XFCN	external function (HyperCard)
XGA	extended graphics array (IBM; obsolete)
XID	exchange information (telecom.)
XINU	(XINU is not UNIX)
XIP	execute in place

XLO	ex-cell-0
XLPE	cross-linked polyethylene
XMM	x-ray multimirror
XMTR	transmitter
XNET	extended network (access system)
XNS	Xerox Network System
XOR	exclusive or
XPG	X/Open Portability Guide
XPS	x-ray photoelectron/photoemission spectroscopy
XPVM	executable parallel virtual machine (visualization tool)
XR	export reactor
XRD	x-ray diode
XRD	x-ray diffraction (techniques)
XRF	x-ray fluorescence
XRPL	x-ray proximity lithography
XT	extended technology (IBM, 1983)
XTAL	crystal
XVS	X/Open validation suite
XU	x units
XUI	X-Windows user interface
XUNET	experimental university network (AT&T)
XUV	extreme ultraviolet
XUV	x-ray ultraviolet
XUV/FEL	extreme ultraviolet free-electron laser
X-WAV	UNIX sound format

Y

Y	(nuclear) yield
Y	yaw
Y-12	(Oak Ridge uranium enrichment plant)
YA	(Energy Supply R&D fund type code)
YAC	yeast artificial chromosome(s)
YAG	yttrium aluminum garnet (laser)
YBCO	yttrium-barium-copper oxide (ceramic superconductor)
YBP	years before present
Y/C	luminance and chrominance (S-video)
YLF	yttrium lithium fluoride—trillium crystal
YM	Yucca Mountain
YMCK	yellow magenta cyan black
YMMV	your mileage may vary
YMP	Yucca Mountain Project
YOW	your own words
YP	yellow pages
YR	year
YTD	year-to-date
YUV	(tv color space in PAL, some NTSC formats)

Z

Z	atomic number
Z	Ordnance Division, 7/45–3/48
Z	Zulu; Greenwich Mean Time or Universal Coordinated Time
z.B.	<i>zum Beispiel</i> ; for example (German)
ZBB	zero base budgeting
ZEA	zero energy assembly
ZEM	zero-effort miss
ZGS	zero gradient synchrotron
ZHE	zero headspace extractor
ZID	zone of initial dilution
ZISC	zero instruction set computer
Z lock	(device for temporarily securing classified material)
Z number	(LANL employee number; “Zia number”)
ZOI	zone of incorporation
ZOTT	zeroing in on the truth
ZPA	zero period acceleration
ZPG	zero population growth
ZPM	zone project manager
ZPSS	Zion Probabilistic Safety Study
ZRL	zero risk level
ZTO	zero time outage